

NOAA WP-3D N43RF

Pre-Fay TDR

Flight ID: 080815I

Sensor or System	Number or Name
INE	2
Accelerometer	1
Temperature Probe	1
Dew Point Probe	1 (General Eastern)
Altitude (for Vertical Wind)	APN-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage 1281
Time Source	Micro 99
Constants File	N43_hur08.adc

Notes:

Data Start Time: 024901Z. End Time: 095601Z.

Data/time gaps the following times:

042201Z-2200Z, 045121Z-5130Z, 055926Z-5931Z, 070931Z-0940Z, 073011Z-3020Z, 073221Z-3240Z, 081311Z-1320Z, 083231Z-3240Z, 083941Z-084000Z, 095521Z-5540Z.

These gaps can result in erroneous vertical winds around the gap periods.

King Liquid Water inop.

Processed data file: 080815I_RC.nc

During the mission there were instances where the dewpoint temperature exceeded the derived ambient temperature. This occurred primarily during heavy precipitation.

Flight Director: Jack Parrish. (813) 828-3310, ex 3077

U.S. Dept. of Commerce / NMAO / NOAA / Aircraft Operations Center

Flt ID: 080815I	From: TBFB	To: TBFB
Flt. No: —	Blk In: 0957 Z	Time On: 0952 Z
ETD: 03Z	Blk Out: 0244 Z	Time Off: 0253 Z
ETE: + 7.5	Blk Time: 7:13 (7.2) Hrs	Flt Time: 6:59 (7.0) Hrs
Sponsoring Org: OWC	Program: TDA	Purpose: AL92

AOC Flight Crew

Aircraft Commander: Choy	Data System: Daeher
Co-Pilot: Deoman, Edward	AVAPS: Smith
Navigator: Gallagher, Kipper	System Eng: Lynch
Flight Eng: Floyd, Klipsel	A.A.:
Flight Director: Parish	A.A.:
Avionics: Sans Souci	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Denison, J.		
Coanach, J.		
Cione, J.		

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Storm Name: _____

Mission ID: _____

NOTES:

**011R 020/12+
 28/36 1014
 Land 0418Z 080/12
 27/24
 1013**

Recco Times

Fix # Fix Time

**Flew 60° crossing station
 Mostly as planned. Were short
 convection pattern near end.
 H.D.**

(See reverse for additional remarks)

U.S. Dept. of Commerce / NMAO / NOAA / Aircraft Operations Center

Flight ID: Time Off: Z Time On: Z

A/C - Takeoff

Wx Station - Takeoff

A/C - Land

Wx Station - Land

Pressure

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes / CDs

Video Tapes

Dropsondes

Good: Bad:

AXBT

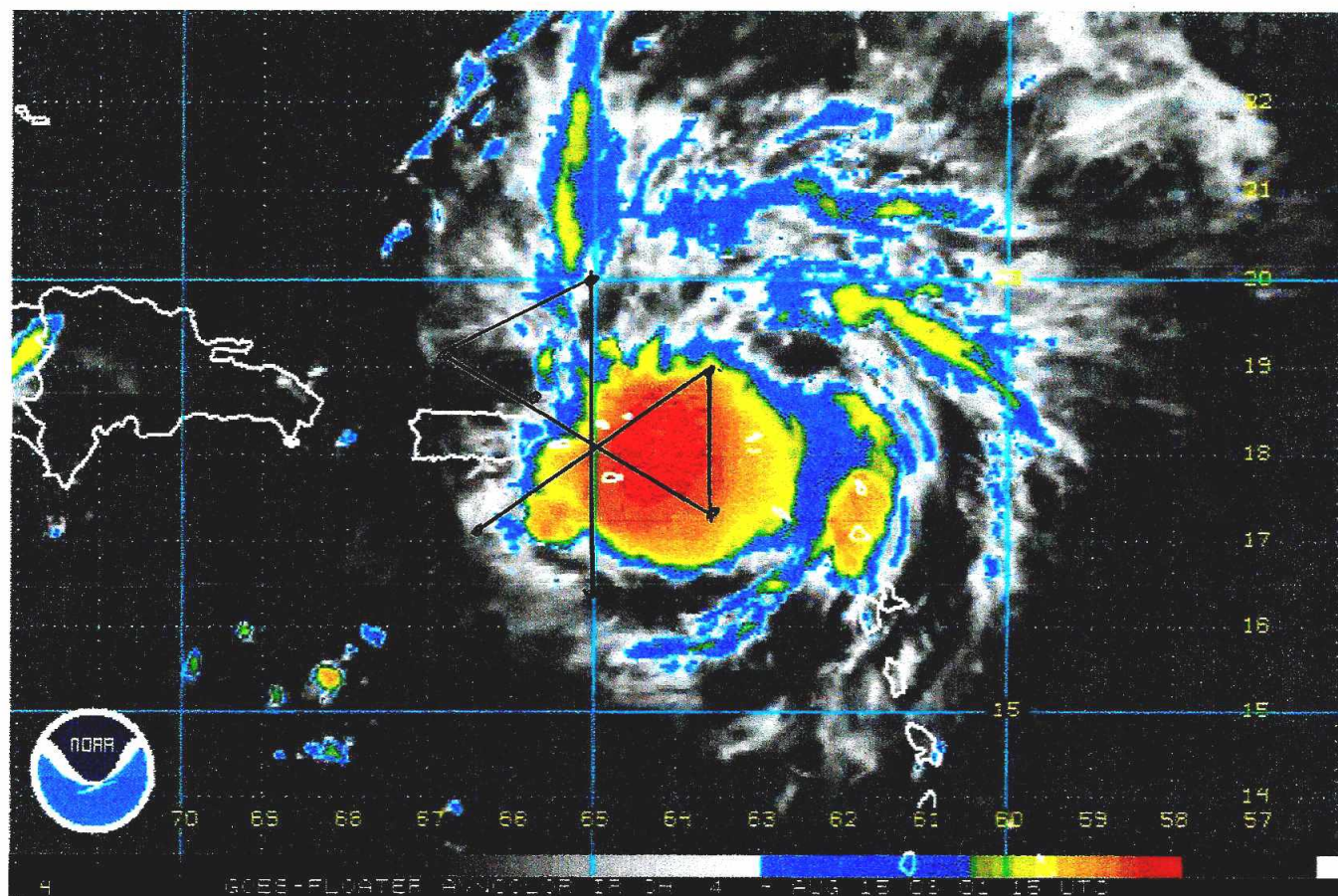
AXCP

AXCTD

Remarks:

TAKE OFF WEATHER:

LANDING WEATHER:



MISSION LOG

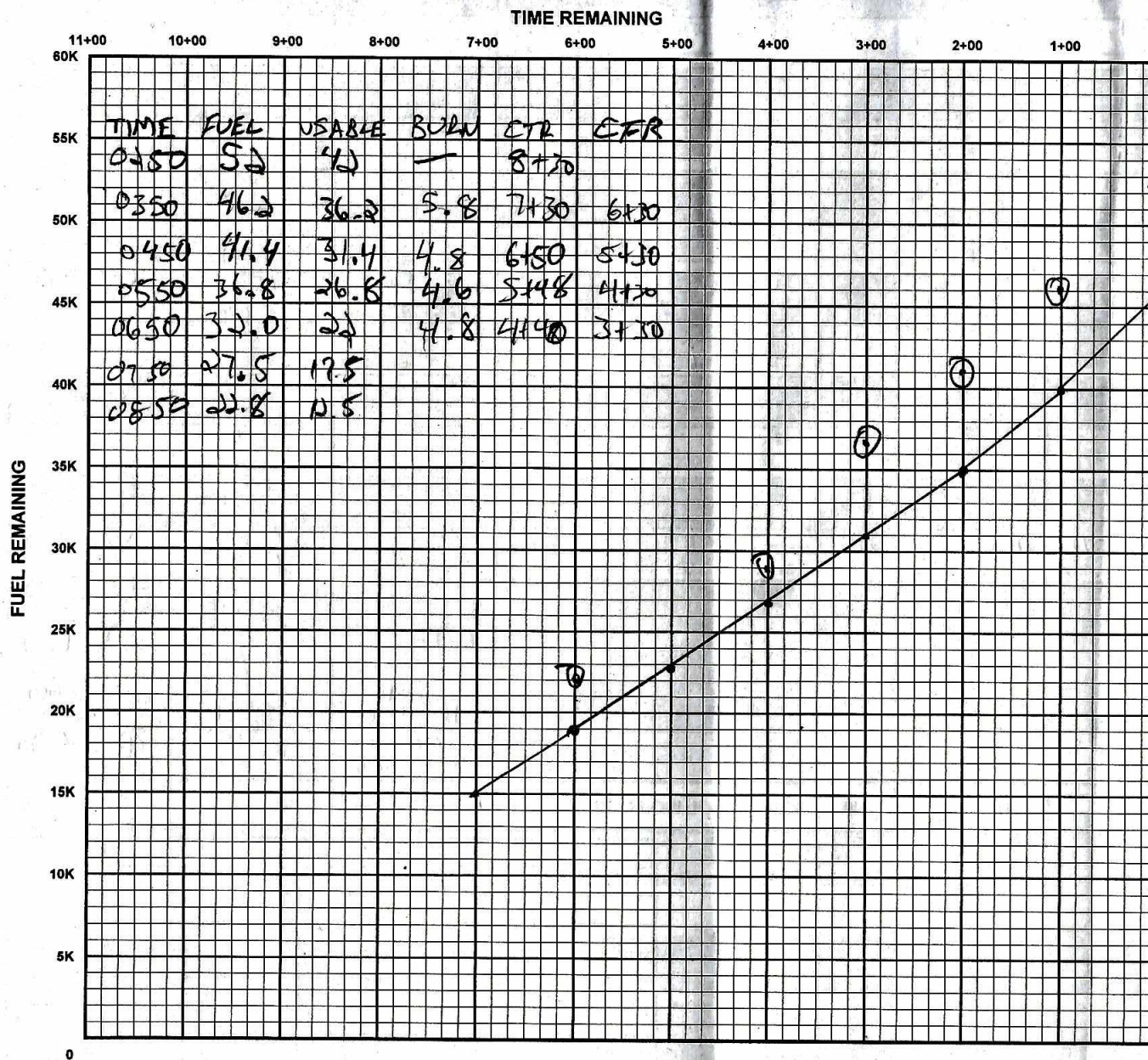
PAGE ____ OF ____

FIX TYPES
(C) - GPS (I) - INS (R) - RADIO (V) - VISUAL (CE) - CELESTIAL (D) - DR

[illegible]

[illegible]

RANGE CONTROL GRAPH



DISTANCE REMAINING

$$ETP = .5(TOTAL DISTANCE \times OUTBOUND WIND FACTOR)$$

WIND FACTOR		
WINDSPEED	HEADWIND	TAILWIND
10	1.03	.97
20	1.06	.94
30	1.10	.92
40	1.14	.89
50	1.18	.87
60	1.22	.85

ENROUTE FUEL	
ENROUTE TIME	7+30
ENROUTE FUEL (6K 5K 4.5K RULE)	36
RESERVE AT DESTINATION	10
REQUIRED RAMP	46
ACTUAL RAMP FUEL	52

TACTICAL (OFFSTA TO DESTINATION)		
	4 ENG	3 ENG
DISTANCE (OFFSTA TO DEST)		
ENROUTE TIME (OFFSTA TO DEST)		
BURN RATE (LBS/HR)	4500	5500
ENROUTE FUEL REQUIRED		
RESERVE AT DESTINATION		
FUEL AT OFFSTA		

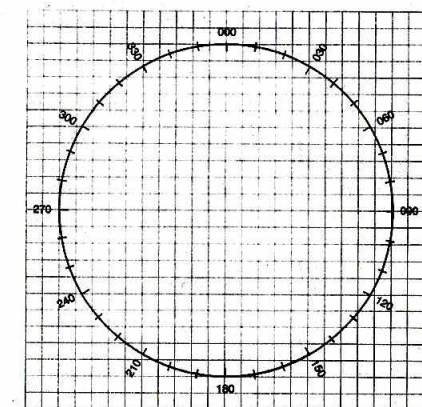
POINT OF SAFE RETURN		
	4 ENG	3 ENG
ETP DISTANCE (TO DEPARTURE)		
ENROUTE TIME (TO DEPARTURE)		
BURN RATE (LBS/HR)	4500	5500
FUEL REQUIRED		
RESERVE AT DEPARTURE		
PSR FUEL		

PRESS ALT	200	250	300	350
10,000	1.0	1.0	.99	.99
20,000	.99	.98	.97	.97
30,000	.97	.96	.95	.94
40,000	.96	.94	.92	.90

CEX - TRUE BEARING METHOD			
COMPASS TYPE	INS1	INS2	WET
MCH (READING)			
- MTH (SEXTANT)			
CE			
- VAR			
DEV			

CEX SIGHT	
GMT	
GHA	
CORR	
GHA	
LONG +W -E	
EXACT LHA	
LAT	
BODY	
DEC	
HC/D	
CORR	
HC	
Z	
ZN	

CEX - ERB METHOD			
COMPASS TYPE	INS1	INS2	WET
MERB (DIAL 000)			
+ ZN			
= MTH			
MCH (READING)			
CE			
- VAR			
= DEV			



TRUE AIRSPEED CROSS-CHECK							
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT	TAS	ITAS
0313	215	14			43	278	274